

TGGCTGAATT AAAAGTTGGG AAATGAANTT GAAAGAATCC GCTTCTTCCA CTGCTATAAA 600
ANAAGAATTG ACAGGGTTTT CATTGATCAC CTTTGTCTT GAAAAGGTGT GGGGAAAAAC 660
TGAAGAATG ATATTGGTTC CTGTCCCNCG ACTGATTNA AAACACCACC TAAAATTACC 720
TTTTGTNCN GCNNCTTTGG AACNCCCNCG GATCTNGATN TTANACCCCC CAANTCTTAT 780
CCTGGAACCT TTGGGNAAAA NTTTGTNTTT GTT 813

(2) INFORMATION FOR SEQ ID NO: 43:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 805 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

- (vii) IMMEDIATE SOURCE:
(B) CLONE: U-D66

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 43:

GGCAGAGAA GAGATAGCTG AAGTGACGTG AGTGGACAAT TCTCAATGGC TGCTGTAAACA 60
AAGTCAACA TCATCTCGAA AGGCTCATGC GCTGGCTATG GGGGTGTCGT CGACTCGGAG 120
CCAAGGACCT TCCTAAACAG AAGGGTTCTA CACTTGAGGA ACCANACCAC CGCTTACGAA 180
GGATTGANAT CTCGAAATGT GGTGATTGTT ATTCAGATGC CGCTAATGC CAAGGTGATT 240
TCAAGGAAAA CTGTGAGGGG AACTCACAAT CCTAGTCGTA NACCTTGGGC TGTTGTCAAT 300
TGTGGAAGA GGAATGAACAT AGTCTTTGTC GCGGCTGAGA TGGCTCCCTG GANTAAAAAC 360
GGAGGACTCG GTGATGTTCT TGGAGGACTG CCACCGGCCA TGGCTGCAAA TGGACACACA 420
GTGATGACTA TAGCTCCACG CTATGATCAG TACAAGGATG GGTGGGATAC AAATGTCCCTG 480
GCTGANTTAA AANTTGGAAA TGAAATTGAA AAGANTCCGC TTCTTCCACT GCTATAAAAA 540
AAGAATTGAC AGGGTTTTCA TTGATCATCC TTTGTTCTT GAAAAAGTGT GGGGAAAAAC 600
TGGGAAGAAT GATATNTGTT CCTGTCCONG GAACCTGATTA TAAACACCA GCTAANATTA 660
CCTTTTGTG CCAGCAACTT TGAACCCCN AGGATTCTGG ATNTTACAAC ACNAATACTA 720
TTCTGGAACA TTTGGGAAA AATTGTTTTT GTTNCCAATG ANTGGCNAC TGCTCCCNCT 780
CCTNCTACT TAAAAATTT TTTCC 805

(2) INFORMATION FOR SEQ ID NO: 44:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 790 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

- (vii) IMMEDIATE SOURCE:
(B) CLONE: U-D111

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 44:

5	GGCAGGAGAA GAGATAGCTG AAGTGACGTG AGTGGACAAT TCTCAATGGC TGCTGTAACA	60
	AAGTCACAAAT TCATCTCGAA AGGCTCATGC GCTGGCTATG GGGGTGTCGT CGACTCTGAG	120
10	CCAAGGACCT TCCTAAACAG AAGGTTCTA CACTTGAGGA ACCAAACCAC CGCTTACGAA	180
	GGATTGAGAT CTCGAAATGT GTTGATTTG ATTCAGATGC CGTCTAATGC CAAAGTGATT	240
	TCGAGGAAAA CTGTGAGGGG AACTCAGAAT CCTAGTCGTA GACCTTGGGC TGTTGTCATT	300
15	TGTGGAAAAG GGATGAACAT AGTCTTTGTC GGCCTGANA TGGCTCCCTG GAGTAAAACC	360
	GGAGGACTCG GTGATGTTCT TGGAGGACTG CCACCGGCCA TGGCTGCAAA TGGACACAGA	420
20	GTGATGACTA TAGCTCCACG CTATGATCAG TACAAGGATG GGTGGGATAC AAATGTCCTG	480
	GCTGAGTTAA AAGTTGAAA TGAAATTGAA AGANTCCGCT TCTTCCACTG CTATAAAAGA	540
	AGANTTGACA GGGTTTTCAT TGATCATCCT TTGTTCTTG ANAAGGTGTG GGGAAAAACT	600
25	GGAAGAATGA TATATGGTCC CTGTNCAGG AACNGATTAT GAANACAACC AGCTAAGATT	660
	AACCTTTTGT TGCCAGCACT TTGGGAACCN CAAGGATCCT GGATCTTAAC AACNCAANTC	720
30	TATTCGGAC CATATGGGGA CAAATTGTTT TGTGCAAAAT GATGGCACT GGTCCNNTCC	780
	ATGCTACTTA	790

(2) INFORMATION FOR SEQ ID NO: 45:

- (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 813 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

- (vii) IMMEDIATE SOURCE:
 (B) CLONE: U-D112

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 45:

50	TTTTTTTTTT TTTTTTTTGG GAGCATAATA GCAATTTATT CAGGAGGATC AAATCAAAC	60
	ACTATAACAT AGACAGTAGT CACTTTCAGG GAGTGGCCAC ATTTTCCTTT GCAAGAGGAG	120
55	CTATTTTCATC AGCATCGATG CCGGCTTCAC TACCAGCAGC TCCTAAGCTT AGGANAATTT	180
	GCTCCCACTT CTTAGCAGGT CCCTCCAGG AGAGGTCTTG AGTCATGCAG TTCTGTATCA	240
60	TCTCAGCAAA TGCAGGTGTG CCGTAAACTT TAAGGGCCCT TTTCACTGTC TGAATGACTA	300
	TTTGTACATC ATCTTTATCG ACAACATCAC AATCAGGATT GAAGGGACCC ATATGAAACC	360
	CTGTATGCC TTCTATGACA GTGTACGCAA GTCCACAGT TGTGCGCAC ATGGGGGGAA	420
65	TTCCATATCG CATGCCCTGA AAGCTGGATA AGSCCACAAG GTTCGAATCT GCTGTAAGA	480
	NCAAGAAGAT CTGCTCCAGC CATGATTTC TGAACCAAAG GTGCATTAAA CTTCATATGT	540
70	GCTCTCACTT TATTGGGAAA CATATCTTCA AGTTGTGCAA GCTGACGCTC CAACANCTTC	600
	TCCCANATCC AAGCACTATC ACTTGAACAT TTTCATCAAT GAATTCAGGA ATAACGCG	660

CGAAAAATATC CGAACCTTTC TGCTCTCTAA TCTCCCTATA AAGGNTATAA CAGGGATTTC 720
 5 CNGTCAACAG GTTAACCAAA TTCAACTTGT TAGGNTTCCC TTAATCCAAA GGGTTGCACC 780
 CNNCCCATTT GTTGCTCNTA ATTGANAAAA ATT 813

(2) INFORMATION FOR SEQ ID NO: 46:

- (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 808 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

- (vii) IMMEDIATE SOURCE:
 (B) CLONE: U-D39

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 46:

GGCAGGAGCG AGTTTTTTTT TTTTTTTTTT GCTGTGATGA TATTATGCAT CTTATTAGTT 60
 GGTTCACCCA CTTCTATTAC ATCACTCAAC AGTATTAGCC CAAGANAAGG CTAATACCTT 120
 30 CNCATCACTC TTGACATCTT ATTTGTATTG TAGGANACTA GTATATATAT CTATATGCGT 180
 GGTTCGCTGC ACNAGGGGGG CTTATTAGTG GCGTCAGTGA TCTCAAGGGC AGAANACAAC 240
 35 CCGTANITG GTGCCGCCGG GGCAGGTGAA GGTGCTCGTC TGATCGTCCT TGGGATANCT 300
 GTAGGCGTCG GGGCAGTTTC TCTTGAANAA CCGGGAGTAT TCGGTCGGGC TGCAGCTGCC 360
 GGAGTTGCAA CAGTACTGGT CCGTCTTGAA CACGGTGCG GGGTTGTTGC ANCCGCCCGG 420
 40 CGCCTTCANC GCCCGGGGGC ACTGCCCGTT GATNCCGCC GCGCACCGBA TGCCGCCGGA 480
 NCCGCCGTGAC NTGGGGCTNA ATCCCATTTG CACGTTGAAA CCGTCNACCA AGGGAAATTT 540
 45 CAAAAATCC AAGTTGTTGA ACTGGTTGAA CGCCRACTCC NCCAGGNTNT TGGCCCGGTT 600
 GCNTACCCC GTGCATNACA ACACCCCGCC GCANTCCCT TCTGGCACC GCGNCTCCGC 660
 TCCCCTCAAA AGAACCCCG TGCGGCCCAA AATCGGNCC CCGGTTGTT CCCCTTTN 720
 50 CTTTAANGT CCCCATGCC CCTGNITTA CTGNCTCCC CCCANGCNG GCCCGGCC 780
 ACNCTTTNT AAAACATCNG TNCNAAT 808

(2) INFORMATION FOR SEQ ID NO: 47:

- (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 809 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

- (vii) IMMEDIATE SOURCE:
 (B) CLONE: U-D50

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 47: